



13281 U.S. PTO

012104

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

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|   |  |   |  |
|---|--|---|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> |  | Attorney Docket No. <b>H6810.0192/P192-B</b>  |  |
|   |  | First Inventor <b>Masaki Yanagisawa</b>   |  |
|   |  | Title <b>PARTICLE BEAM IRRADIATION SYSTEM AND<br/>METHOD OF ADJUSTING IRRADIATION<br/>APPARATUS</b> |  |
|   |  | Express Mail Label No. _____  |  |

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification [Total Pages **65** ]  
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,  
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **10** ]

5. Oath or Declaration [Total Sheets **4** ]

- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)

8. ☐ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i. ☐ CD-ROM or CD-R (2 copies); or
  - ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))

10. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☒ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.

17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: **10/671,613**

Prior application information: Examiner **Not Yet Assigned** Art Unit: **2878**

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number: **24998** OR ☒ Correspondence address below

|  |                                 |                            |  |
|--|---------------------------------|----------------------------|--|
| Name <b>DICKSTEIN SHAPIRO MORIN &amp; OSHINSKY LLP</b> |                                 |                            |  |
| Address <b>Mark J. Thronson</b>                        |                                 |                            |  |
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|  |   |
|--|---|
| Name (Print/Type) <b>Gary L. Veron</b> | Registration No. (Attorney/Agent) <b>39,057</b> |
| Signature                              | Date <b>January 21, 2004</b>                    |



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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 1,372.00**Complete if Known**

|                      |                   |
|----------------------|-------------------|
| Application Number   | Not Yet Assigned  |
| Filing Date          | January 21, 2004  |
| First Named Inventor | Masaki Yanagisawa |
| Examiner Name        | Not Yet Assigned  |
| Art Unit             | N/A               |
| Attorney Docket No.  | H6810.0192/P192-B |

**METHOD OF PAYMENT (check all that apply)**
☐ Check ☒ Credit Card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:

Deposit Account Number

04-1073

Deposit Account Name

Dickstein Shapiro Morin &amp; Oshinsky LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity        |          | Small Entity |          | Fee Description   | Fee Paid |
|---------------------|----------|--------------|----------|---|----------|
| Fee Code            | Fee (\$) | Fee Code     | Fee (\$) |   |          |
| 1051                | 130      | 2051         | 65       | Surcharge - late filing fee or oath   |          |
| 1052                | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet.                                 |          |
| 1053                | 130      | 1053         | 130      | Non-English specification   |          |
| 1812                | 2,520    | 1812         | 2,520    | For filing a request for <i>ex parte</i> reexamination                                  |          |
| 1804                | 920*     | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                                  |          |
| 1805                | 1,840*   | 1805         | 1,840*   | Requesting publication of SIR after Examiner action                                     |          |
| 1251                | 110      | 2251         | 55       | Extension for reply within first month  |          |
| 1252                | 420      | 2252         | 210      | Extension for reply within second month   |          |
| 1253                | 950      | 2253         | 475      | Extension for reply within third month  |          |
| 1254                | 1,480    | 2254         | 740      | Extension for reply within fourth month   |          |
| 1255                | 2,010    | 2255         | 1,005    | Extension for reply within fifth month  |          |
| 1401                | 330      | 2401         | 165      | Notice of Appeal  |          |
| 1402                | 330      | 2402         | 165      | Filing a brief in support of an appeal  |          |
| 1403                | 290      | 2403         | 145      | Request for oral hearing  |          |
| 1451                | 1,510    | 1451         | 1,510    | Petition to institute a public use proceeding   |          |
| 1452                | 110      | 2452         | 55       | Petition to revive - unavoidable  |          |
| 1453                | 1,330    | 2453         | 665      | Petition to revive - unintentional  |          |
| 1501                | 1,330    | 2501         | 665      | Utility issue fee (or reissue)  |          |
| 1502                | 480      | 2502         | 240      | Design issue fee  |          |
| 1503                | 640      | 2503         | 320      | Plant issue fee   |          |
| 1460                | 130      | 1460         | 130      | Petitions to the Commissioner   |          |
| 1807                | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)   |          |
| 1806                | 180      | 1806         | 180      | Submission of Information Disclosure Stmt   |          |
| 8021                | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties)              |          |
| 1809                | 770      | 2809         | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                             |          |
| 1810                | 770      | 2810         | 385      | For each additional invention to be examined (37CFR 1.129(b))                           |          |
| 1801                | 770      | 2801         | 385      | Request for Continued Examination (RCE)   |          |
| 1802                | 900      | 1802         | 900      | Request for expedited examination of a design application                               |          |
| Other fee (specify) | 1614     |              |          | PCT: Claims - filing or later presentation of each independent claim in excess of three |          |

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)****FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 1001         | 770      | 2001         | 385      | Utility filing fee     | 770.00   |
| 1002         | 340      | 2002         | 170      | Design filing fee      |          |
| 1003         | 530      | 2003         | 265      | Plant filing fee       |          |
| 1004         | 770      | 2004         | 385      | Reissue filing fee     |          |
| 1005         | 160      | 2005         | 80       | Provisional filing fee |          |

**SUBTOTAL (1) (\$)** 770.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 20                 | -20** =      |                | 0.00     |
| 10                 | -3** =       | 7              | 86.00    |
| Multiple Dependent |              |                |          |

| Large Entity |          | Small Entity |          | Fee Description  |
|--------------|----------|--------------|----------|--|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                     |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                          |
| 1203         | 290      | 2203         | 145      | Multiple dependent claim, if not paid                      |
| 1204         | 86       | 2204         | 43       | ** Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2) (\$)** 602.00

\*\*or number previously paid, if greater; For Reissues, see above

**SUBMITTED BY**

(Complete (if applicable))

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39,057

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Signature

Gary Veron

Date

January 21, 2004